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DeKalb County

**Project #075222 - Sugar Creek Golf Course – Golf Cart Path Bridge Repair #2
2706 Bouldercrest Rd SE
Atlanta, GA 30316**

Summary of Scope

This Scope of Work includes the repair of severely washed out bridge near hole 5, stabilization of bridge washing out at hole 16, and stabilization of washout encroaching on cart path near hole 16 at the Sugar Creek Golf Facility for DeKalb County.

Detailed Scope of Work

We have included the following items in our proposal:

GENERAL

All work shall be performed in accordance with

DeKalb County Specifications

GDOT Bridge and Structure Design Manual

GDOT Standard Specifications (2013)

AASHTO LRFD Guide Specifications for the Design of Pedestrian Bridges (2009)

Contractor has been authorized for utilizing crossings approved by DeKalb County.

Note: It is the intent of this project to align with methods of stabilizing bridges set forth by AECOM documents provided for other bridge repairs previously completed at Sugar Creek Golf Course by JOC Construction.

1. Washout Bridge (by Hole 5 Tee box)

1.1. Scope Recommendations

- 1.1.1. Private utility location services shall be provided by the contractor prior to beginning any excavation.
- 1.1.2. Remove all debris from expansion joints and drains on bridge.
- 1.1.3. Replace all expansion joint material with GDOT approved materials.
- 1.1.4. Remove debris accumulation from channel and over bank area within 50LF of either side of the centerline of the bridge.
- 1.1.5. Encase 4 H piles. Radius of pile shall be 2-6" and extend 2' below stream floor and 2' above normal water line. Contractor will allow for 6 vertical linear feet per pile assuming a 2' deep normal water line.
- 1.1.6. Rip Rap shall be used to stabilize embankment. Contractor proposes to pull back embankment approximately 15 LF from bridge and install rip rap over filter fabric

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- per DOT standards around the abutments, down to the stream, and then fill with cement mixture to hold in place.
- 1.1.7. Utilize excavated materials to lessen slope adjacent to ramp up to bridge and fill in immediately adjacent voids. Note that Flowable fill shall be used in voids around abutment.
 - 1.1.8. Furnish and install a new 8" thick concrete approach up to bridge. A Steel angle shall be utilized to protect the transition between materials. Transition shall not exceed height differential of 1/2" Max.
 - 1.1.9. Contractor shall prevent excavation and other debris from entering stream with use of BMP's until stabilization has been achieved.
 - 1.1.10. Contractor shall be responsible for seeding areas disturbed with annual rye for quick stabilization. Contractor will water in 1 time after seeding. Subsequent watering shall be the responsibility of DeKalb County.
 - 1.1.11. Abate and Encapsulate the steel structural members prior to final painting.
 - 1.1.12. All cleaning and painting shall take place per GDOT standard 535 once abatement/encapsulation has been completed.
 - 1.1.13. Pressure Wash Concrete surfaces clean at completion.
- 2. Gabion Bridge (by Hole 16)**
- 2.1. Scope Recommendations
 - 2.1.1. Private utility location services shall be provided by the contractor prior to beginning any excavation.
 - 2.1.2. Remove all debris from expansion joints and drains on bridge.
 - 2.1.3. Replace all expansion joint material with GDOT approved materials.
 - 2.1.4. Remove debris accumulation from channel and over bank area within 50LF of either side of the centerline of the bridge.
 - 2.1.5. Encase 2 H pile. Radius of pile shall be 2-6" and extend 2' below stream floor and 2' above normal water line. Contractor will allow for 6 vertical linear feet per pile assuming a 2' deep normal water line.
 - 2.1.6. Rip Rap shall be used to stabilize embankment. Contractor proposes to pull back embankment approximately 15 LF from bridge and install rip rap over filter fabric per DOT standards around the abutments, down to the stream, and then fill with cement mixture to hold in place.
 - 2.1.7. Utilize excavated materials to lessen slope adjacent to ramp up to bridge and fill in immediately adjacent voids. Note that Flowable fill shall be used in voids around abutment.
 - 2.1.8. Side of bridge with existing Gabion Baskets
 - 2.1.8.1. Install tie backs for existing gabion baskets.
 - 2.1.8.2. Provide and install flowable fill over existing baskets and tie backs to hold in place as best as possible. Note that there has been some displacement and

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this recommendation is made in an attempt to prevent further displacement of the existing baskets.

- 2.1.9. Furnish and install a new 8" thick concrete approach up to bridge. A Steel angle shall be utilized to protect the transition between materials. Transition shall not exceed height differential of 1/2" Max.
- 2.1.10. Contractor shall prevent excavation and other debris from entering stream with use of BMP's until stabilization has been achieved.
- 2.1.11. Contractor shall be responsible for seeding areas disturbed with annual rye for quick stabilization. Contractor will water in 1 time after seeding. Subsequent watering shall be the responsibility of DeKalb County.
- 2.1.12. Abate and Encapsulate the steel structural members prior to final painting.
- 2.1.13. All cleaning and painting shall take place per GDOT standard 535 once abatement/encapsulation has been completed.
- 2.1.14. Pressure Wash Concrete surfaces clean at completion.

3. Cart Path Washout (by hole 16)

3.1. Scope Recommendation

- 3.1.1. Clean out and dispose of debris between the washout section encroaching on cart path of embankment.
- 3.1.2. Furnish and install Rip Rap assembly to match assembly used on bridges to span the extent of the washout area to protect cart pathway from being undermined.
- 3.1.3. Install flowable fill to lock rip rap assembly into place.
- 3.1.4. Seed and straw at completion.

4. Clear Debris at 3 Bridges

4.1. Scope Recommendation

- 4.1.1. Clear debris accumulation at bridges C-1, C-4, C6. Mobilization excluded. This option is only available with the use of other categories and does not stand alone.

Details that apply to all work

- 1. This proposal is based on normally expected conditions as observed upon site visit.
- 2. Contractor shall utilize the latest issue of the NJPA Specifications for all work.
- 3. All measurements and quantities supplied in this scope of work are approximate in nature and are supplied as a convenience for the contractor. The contractor is responsible for field verification of all measurements and quantities.
- 4. Contractor shall verify all new and existing conditions and dimensions at job site.
- 5. Parking will be made available for the Contractor by the Owner and the Contractor shall coordinate all parking with the Owner prior to beginning work.
- 6. All salvageable materials remain the property of the Owner.
- 7. Contractor shall coordinate inspections as required / if required.
- 8. Contractor is responsible for protection of all surfaces including those not in the scope of work from construction dust, debris or damage during construction up until final

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- acceptance. The methods of protection including wood, plastic, paper or other means for sealing / protecting furniture, sidewalks, doors or windows, etc.
9. Contractor shall be responsible for daily job site clean-up and will make provisions for disposing of all of his trade's debris. There shall not at any time be any material or debris left on site that could endanger the public.
 10. Contractor shall be responsible for 48 hours advanced notice to coordinate Utility Interruptions.

Schedule

1. The total estimated duration to complete this project including an allotment for administrative time, submittal processing, inspection time, punch list remediation, and closeout time will be **60 DAYS** from the time JOC Construction receives purchase order from client, however, should there be any circumstances that impede progress that are out of the control of JOC Construction Inc. a time extension equal to documented days lost will be issued.

Owners Responsibilities

1. Provide access to job site and prompt response to RFI and submittal information submitted by contractor.
2. Provide Access to Contractor to both sides of bridges. Stream crossing points shall be agreed upon by DeKalb County.
3. Provide 3rd Party Engineer Inspection prior to covering up Abutments.
4. Provide Lay Down area for equipment and dumpsters at main parking lot.

Closeout

1. Contractor must remove all excess materials, debris, tools and equipment from the site.
2. Owner shall be provided 1 Electronic Copy of the Operations and Maintenance manual for the project with retainage billing.
3. Owner will be provided a 1 year warranty from Contractor on furnished material and workmanship.

Clarifications

1. At the time of the issuance of a purchase order, it is understood that permits are **NOT** required. If the contractor will be responsible for obtaining applicable permits for the above mentioned work, then Owner will be responsible for reimbursement of any fees that may be charged to contractor associated with permitting as well as any and all fees and expenses (i.e. permit fees, professional design and engineering fees as outlined in the Construction Task Catalog) incurred as described in the EZIQC master document.
2. Prevailing wages have **NOT** been included in this proposal.



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3. This proposal is based on Normal Working Hours as defined by Monday through Friday, 7AM to 5PM EST.
4. Any reference to match existing shall describe closest match available. Due to aging of materials, discontinued items, and minor batch color discrepancies from manufacturers, it is not always possible to find an exact match for existing materials.
5. All concrete shall be standard 3000psi. unless stated otherwise.